



13th Annual Safety Professional Development Conference

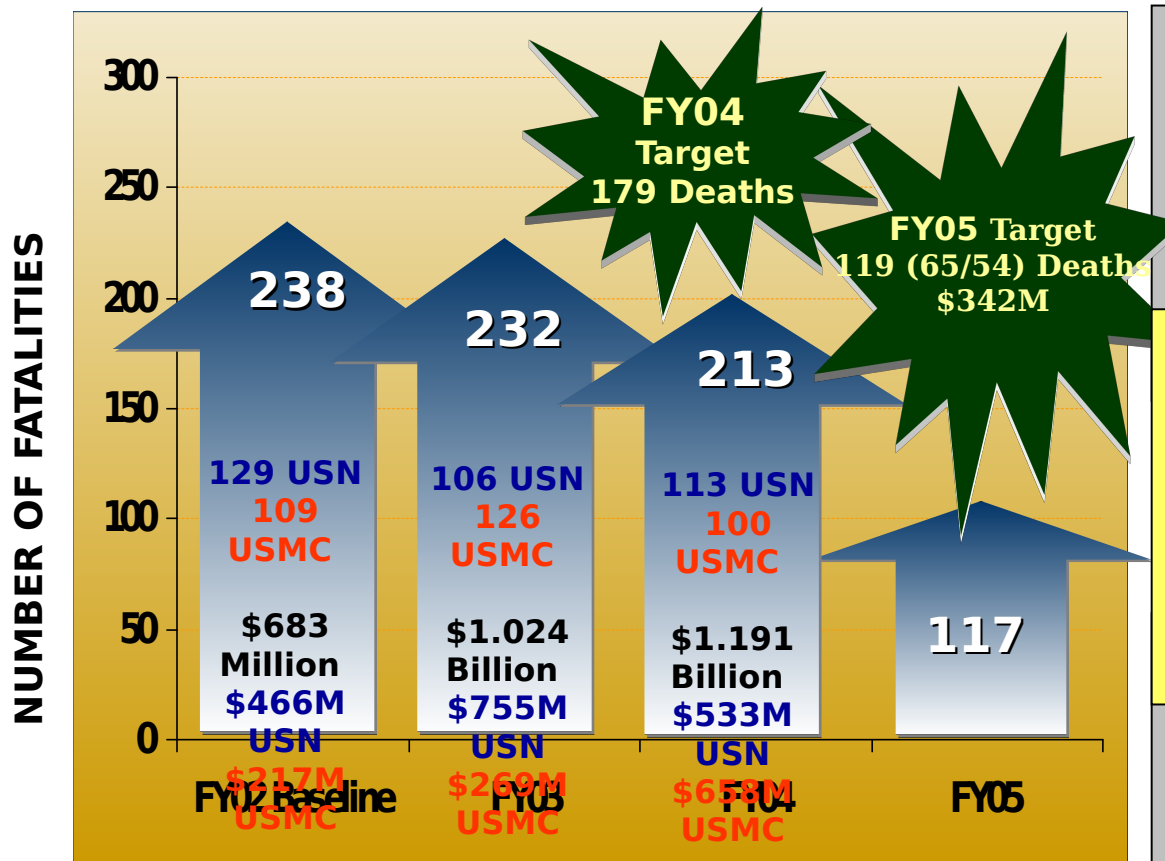
**Colonel Alan R. Lewis, USMC
Deputy Commander, Naval Safety
Center**

**San Diego, California
05 April 2005**



Results So Far - "Big Navy"

FATALITIES & RESOURCES LOST DURING 50% MISHAP REDUCTION CAMPAIGN



TOTAL FATALITIES: 117
(49 USN & 68 USMC)

FY04 through 31Mar04:
80 (51 USN & 29 USMC)

PMV FATALITIES: 53
(32 USN & 21 USMC)

FY04 through 31Mar04:
45 (28 USN & 17 USMC)

\$409M (\$311M USN & \$98M USMC)
FY04 through 31Mar04: \$539M
(\$270M USN & \$269M USMC)

Good work has produced results - but not enough!
16 USN deaths from exceeding FY05 fatalities goal!!!

ENDSTATE GOAL IS ZERO!





Status Check

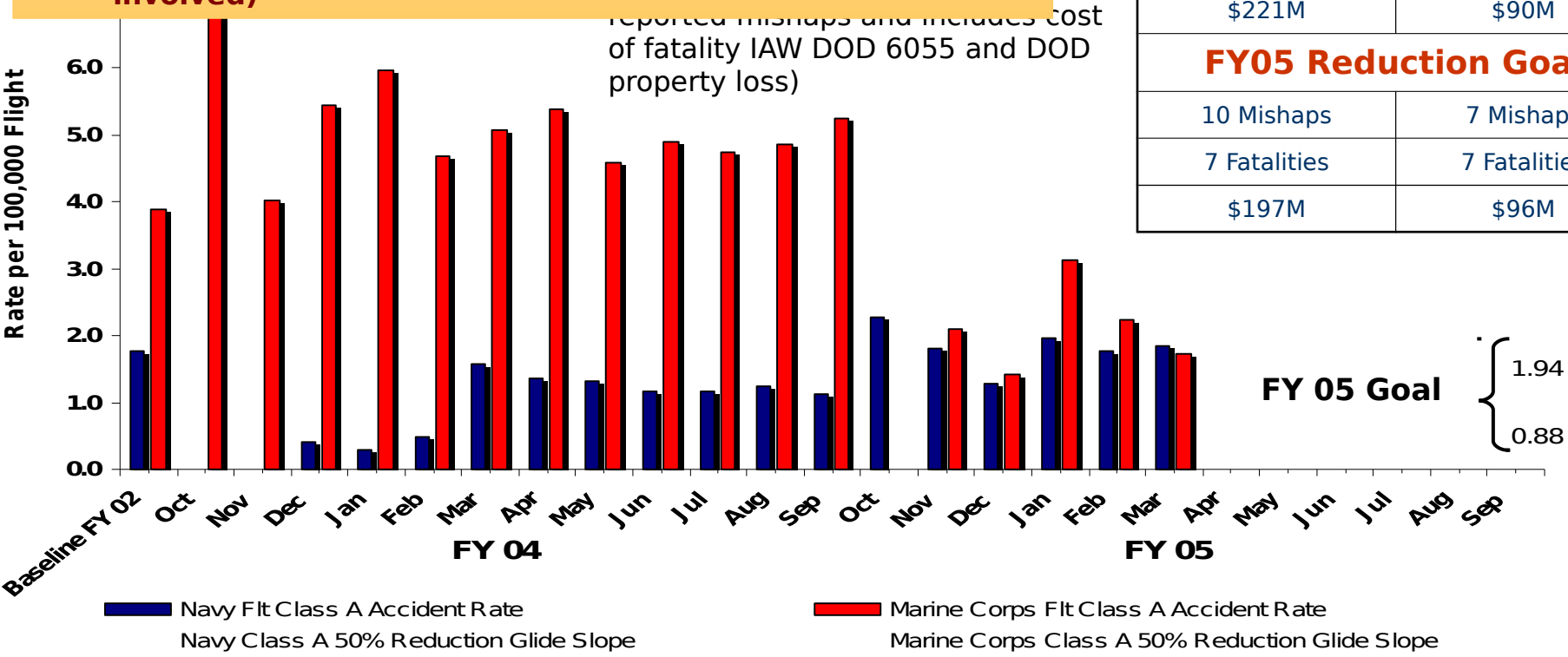
Leading Causal Factors

- **Human Error (89%)**
 - Aircrew (breakdown in Crew Resource Management, poor decision making, failure to properly perform emergency procedures)
 - Supervisory (failure to provide adequate guidance and training)
- **Material/Systems Malfunction (11%)**
 - Material/component catastrophic failure (no human error involved)

FY04	
USN	USMC
12 Mishaps	18 Mishaps
4 Fatalities	15 Fatalities
8 A/C Destroyed	19 A/C Destroyed
\$430M	\$771M

FY05 through 31Mar05	
USN	USMC
9 Mishaps	3 Mishaps
2 Fatalities	30 Fatalities
6 A/C Destroyed	3 A/C Destroyed
\$221M	\$90M

FY05 Reduction Goal	
USN	USMC
10 Mishaps	7 Mishaps
7 Fatalities	7 Fatalities
\$197M	\$96M

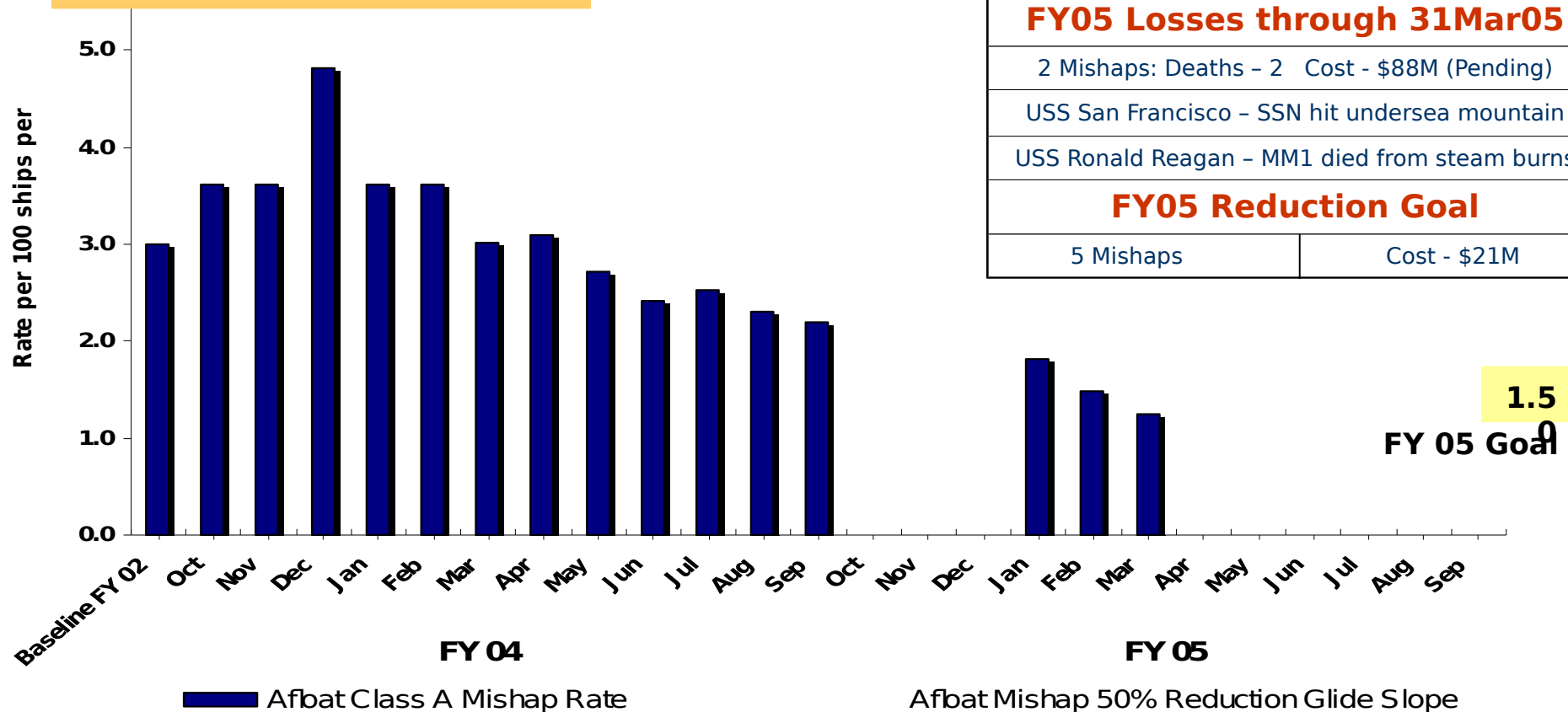




Status Check (Afloat Class-A Mishaps)

Leading Causal Factors

- Inadequate Supervision
- PMS not accomplished
- Poor Crew Resource Management
- Lack of Situational Awareness
- Complacency



FY04

7 Mishaps: Deaths - 3 Cost - \$15M

USS John F Kennedy - collision with dhow

USS John F Kennedy - H2S leak

ACU 5 - M1A1 tank slid off LCAC

ACU 4 - LCAC damaged in well deck

USS Greenville - ASDS damaged during transport

USS Typhoon - RHIB ops in rough seas

USS Hartford - SSN ran aground

FY05 Losses through 31Mar05

2 Mishaps: Deaths - 2 Cost - \$88M (Pending)

USS San Francisco - SSN hit undersea mountain

USS Ronald Reagan - MM1 died from steam burns

FY05 Reduction Goal

5 Mishaps

Cost - \$21M





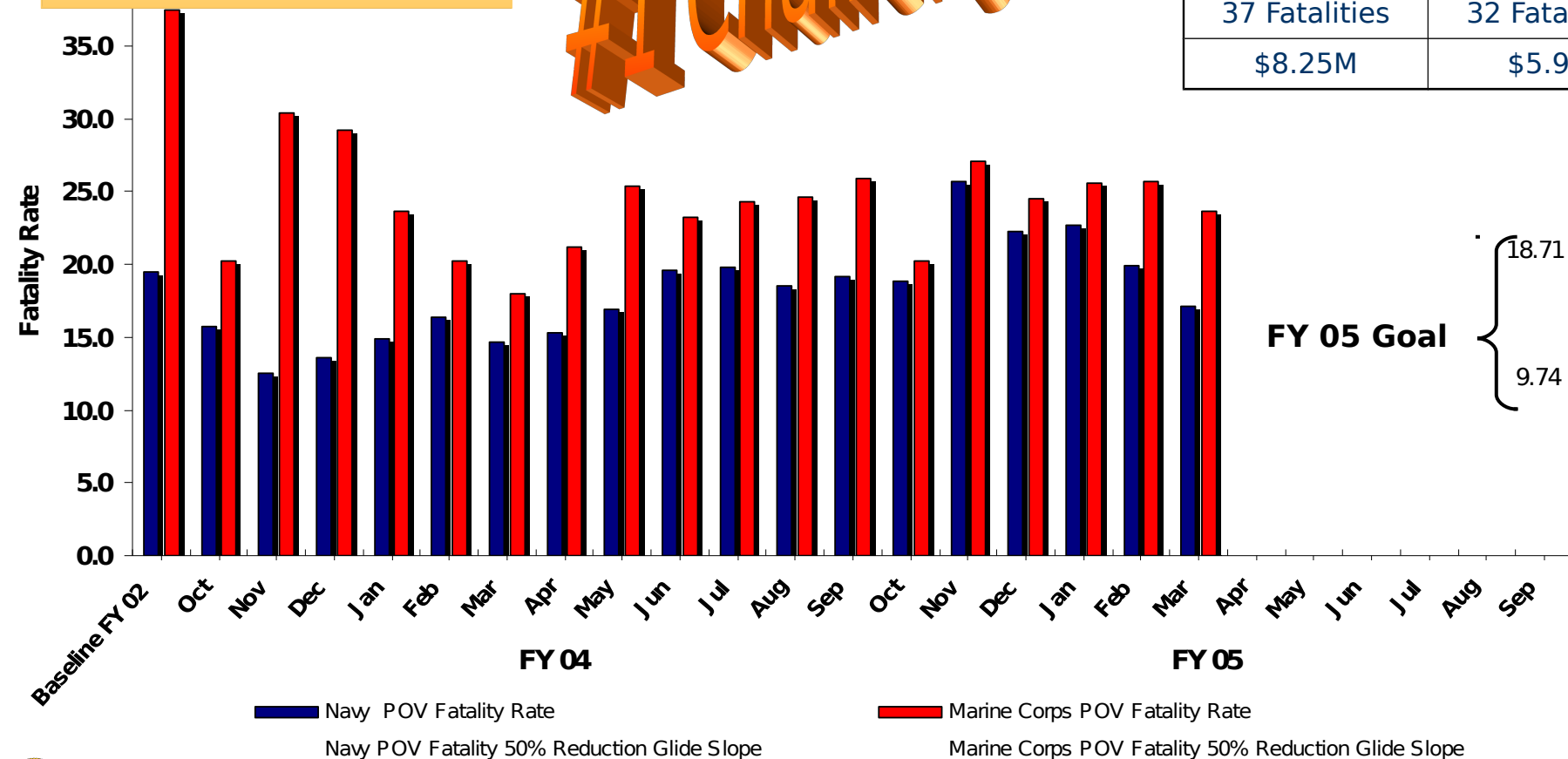
Status Check (PMV Fatalities)

Leading Causal Factors

- Nighttime Driving
- No Seat Belt Use
- Excessive Speed
- Alcohol
- Fatigue

#1 Challenge!

FY04	
USN	USMC
73 Fatalities	46 Fatalities
\$13M	\$11.6M
FY05 through 31Mar05	
31 Fatalities	20 Fatalities
\$3.9M	\$2.4M
FY05 Reduction Goal	
37 Fatalities	32 Fatalities
\$8.25M	\$5.9M





Status Check (Recreation/Off-Duty Fatalities)

Leading Causal Factors

- Inadequate training
- Failure to follow regulations
- Lack of experience at activity
- Command knowledge of High Risk Activities

FY04

USN

USMC

22 Fatalities

11 Fatalities

\$6.6M

\$2.9M

FY05 through 31Mar05

8 Fatalities

3 Fatalities

\$875K

\$375K

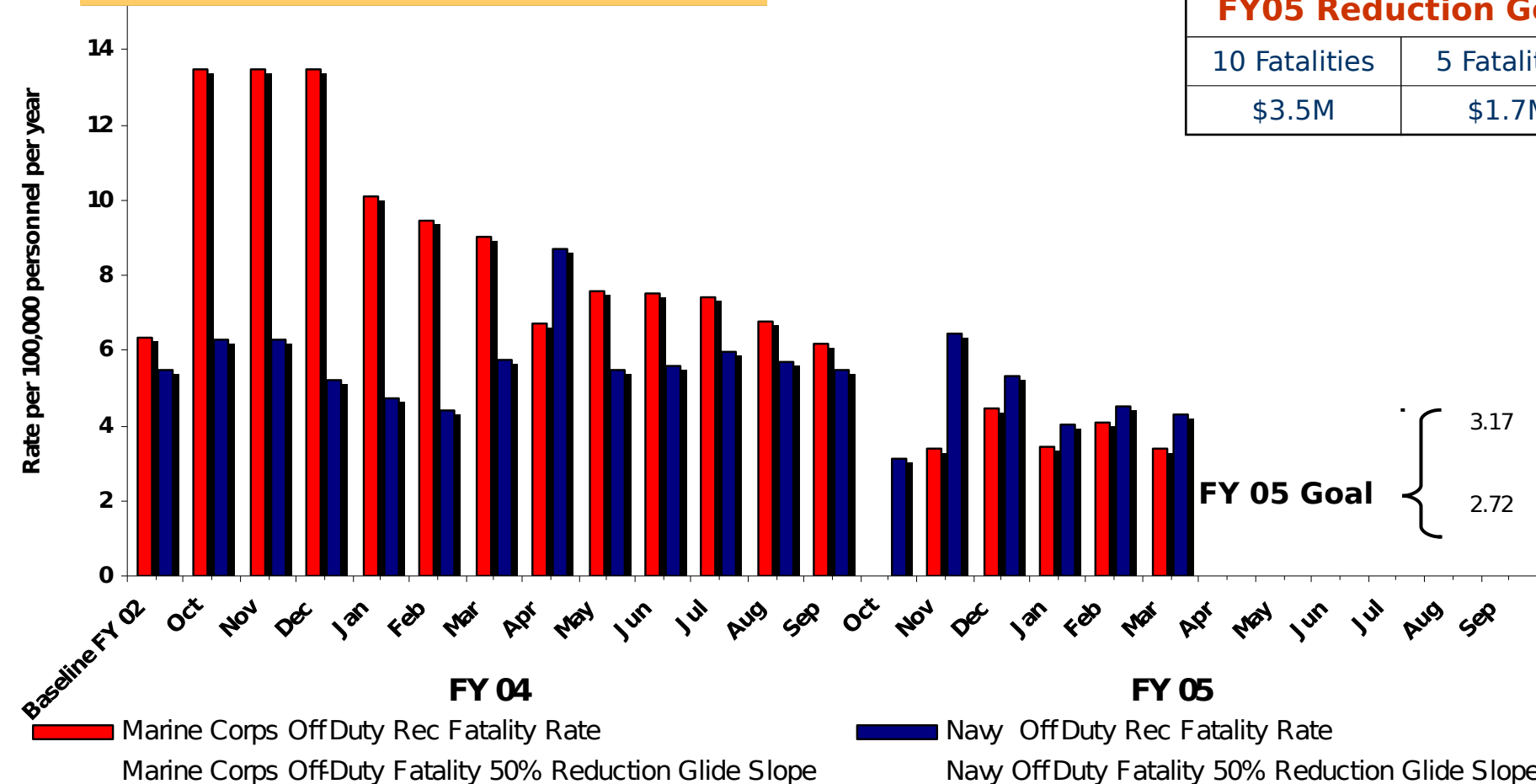
FY05 Reduction Goal

10 Fatalities

5 Fatalities

\$3.5M

\$1.7M





Status Check (Op Shore/Ground

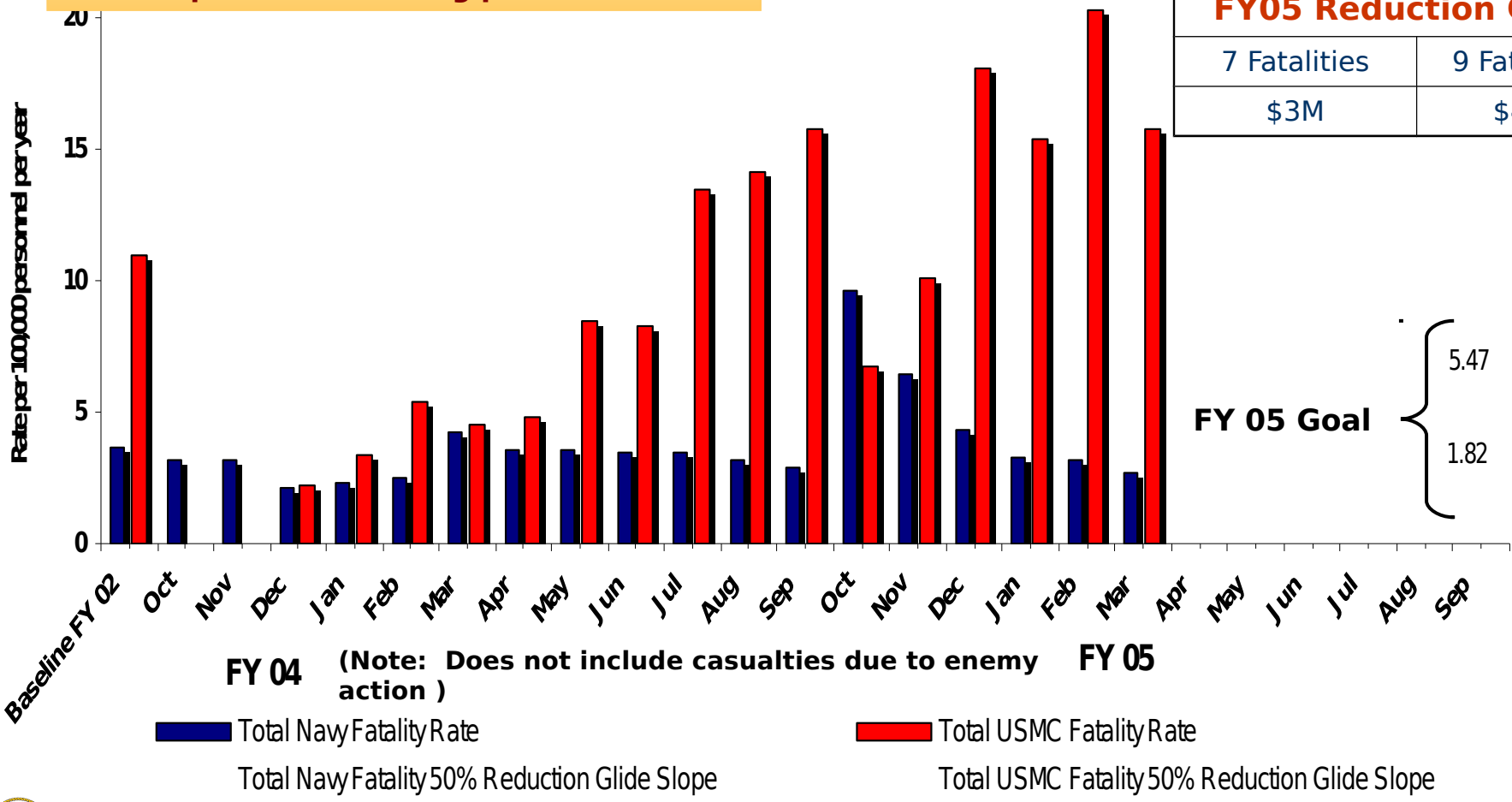
Fatalities-incl MV)

Leading Causal Factors

- Insufficient training for tactical vehicle operation
- Failure to follow written procedure
- Negligent firearms discharge
- Inadequate conditioning prior to PRT

(\$\$\$ totals represent cost of all reported mishaps and includes cost of fatality IAW DOD 6055 and DOD property loss)

FY04	
USN	USMC
11 Fatalities	28 Fatalities
\$11M	\$9M
FY05 through 31Mar05	
5 Fatalities	14 Fatalities
\$3M	\$3M
FY05 Reduction Goal	
7 Fatalities	9 Fatalities
\$3M	\$4M

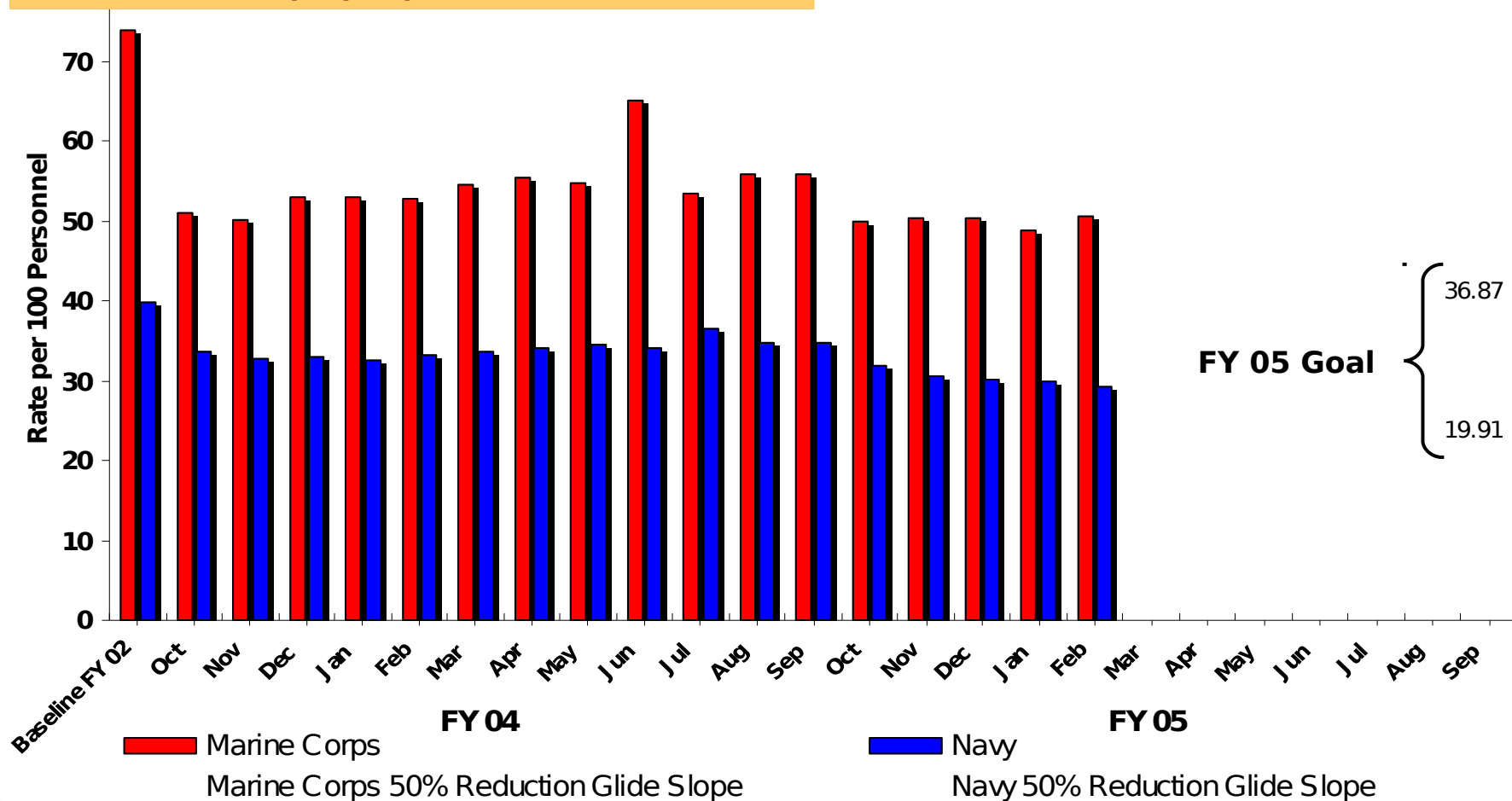




Status Check (Civilian Lost Day Rates) through 19Feb05

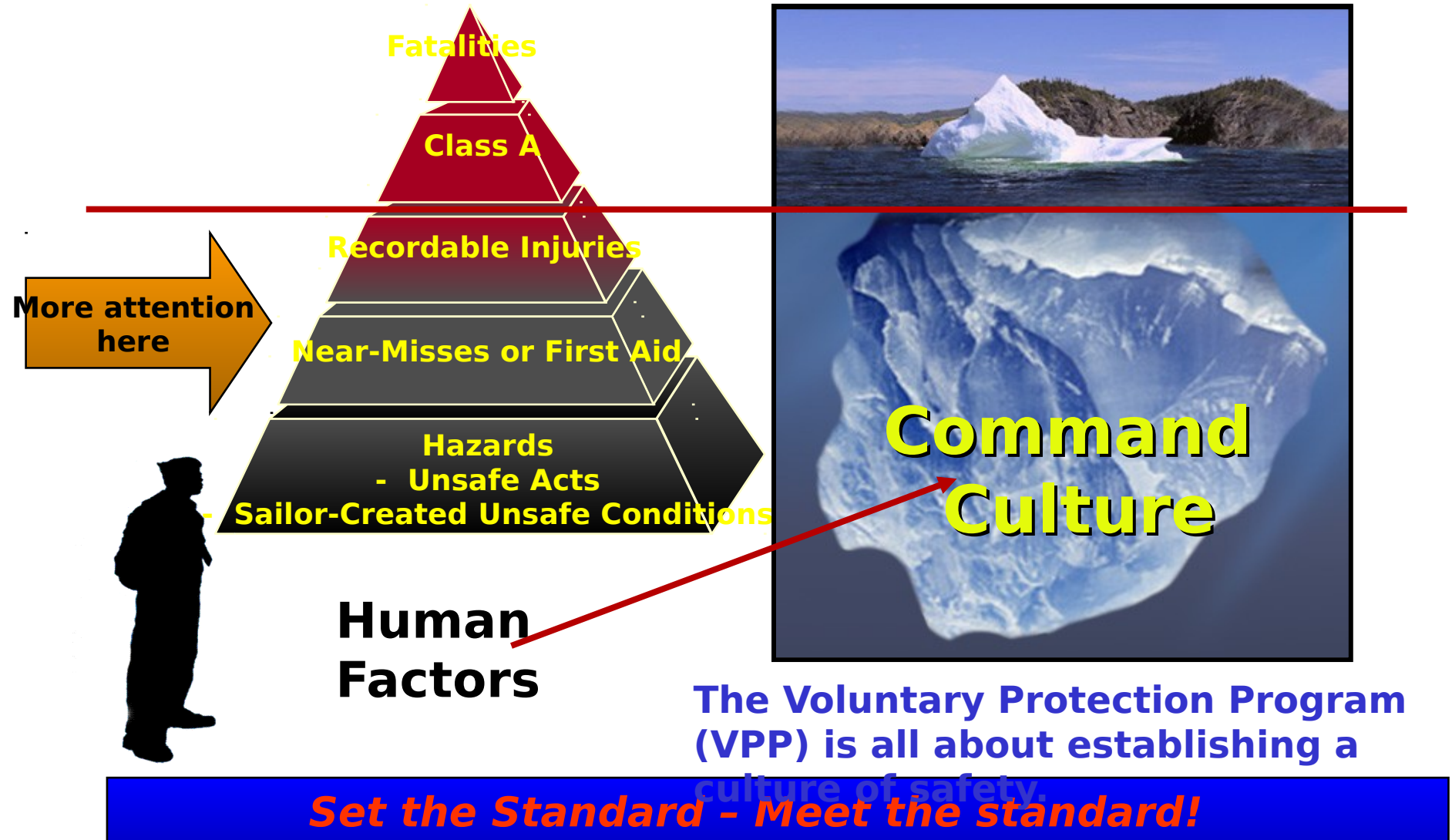
Leading Causal Factors

- Industrial mishaps (slips, trips, and falls)
- Overexertion in the workplace (results in injuries, sprains, and strains to back, feet, ankle, legs and toes)
- Failure to take proper precaution





Changing Our Culture





NEW STEPS

- ***USN/USMC Safety Council and 4 Committees***
- ***Detailed 50% Reduction POA&M - seeking funding***
- ***Navy and Marine Corps Safety Strategy***
- ***Reorganize to provide installation safety services***
- ***Update/revise various safety policies***





PLANS AND INITIATIVES

- **NMCSC has 4 Safety Committees:**
 - **Shore Safety Committee (CNI chair)**
 - **Afloat Safety Committee (SUBFOR/SURFFOR co-chairs)**
 - **Ground Tactical Safety Committee**
 - **Aviation Safety Committee**
- **50% Reduction POA&M developed to define actions and define funding needs.**
 - **Provides for major initiatives in traffic safety**
- **DASN(S) has drafted proposed Navy and Marine Corps Safety Strategy**
 - **Long range planning goals and objectives.**
 - **Supports Naval Power 21, Sea Power 21 and Marine Corps Strategy 21.**





NEW ORGANIZATION AT NSC - CODE 20

**Code 90 OSH
Directorate
realigned as Code
20**

Installations Safety Directorate Code 20

**Code 20
GS-018-14 (USN)
Director, Installations Directorate**

**GS-018-14 new
Director of
Installation Safety,
CSP, job advertised
Apr05.**

**Code 21
Occupational Health
Division**

**Code 211
Occupational Health
Division Head
LCDR IHO (USN)/BSC 08110**

**Code 212
CBRNE/ATFP Programs
LCDR IHO(USN)/BSC 09010**

**Code 213
Industrial Hygiene
GS-690-11 (USN)**

Functions:

- **OSH policy**
- **FECA Issues**
- **Lost Work Issues**
- **CBRNE and ATFP safety**
- **Safety Surveys/Assists**
- **Info Clearinghouse**
- **OH/IH issues**
- **Mishap Investigations**
- **Briefs, presentations**
- **Notice of Violations list**
- **OSHA reports**

**Code 22
Installations Safety
Division**

**Code 221
Installations/Ind Safety
Division Head
GS-018-13 (USN)**

**Code 222
Safety and Occupational
Health Specialist
GS-0018-12 (USMC)**

**Code 223
Safety and Occupational
Health Specialist
GS-0018-11 (USN)**

**Code 224
Safety and Occupational
Health Specialist
GS-0018-11 (USN)**

**Code 225
Safety and Occupational
Health Specialist
GS-0018-11 (USN)**





SAFETY POLICY STATUS

INSTRUCTION

***OPNAVINST 3500.39B**

***OPNAVINST 5100.28 (HMUG)**

***OPNAVINST 5100.23G (Shore SOH Manual)
May 05**

***OPNAVINST 5102.1D/MCO P5102.1B
Jan
(mishap investigation and reporting)
signature**

***OPNAVINST 5100.24B (systems safety)**

***OPNAVINST 5100.19E (Afloat SOH Manual)**

***OPNAVINST 5100.12H (traffic safety)**

***OPNAVINST 5100.25B (ROD safety)**

*** Responsibility of CNO N09F/COMNAVSAFECEN**

**OPNAVINST 5450.180D (NSC mission
signature**

and functions)

OPNAVINT 5100.8H (SOH program)

DODI 6055.7 (mishap investigation

STATUS

signed Jul 04

Signed Feb 05

Signature expected

Signed by N09F on 7

- awaiting ACMC

Revision in review

Revision in prep

Revision in prep

Revision in prep

Awaiting VCNO

Revision in review

Revision provided Feb 05



CHALLENGES

- ***Post N454 realignment - provide OSH, SYSCOM, and installations safety customer support.***
- ***Maintain updates of ever-changing safety policies.***
- ***Advocate Navy's position within DOD and DOL.***
- ***Provide targeted shore safety survey services.***





Questions ?

